BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. D K Nagaraj

Tender Notification No. BBMP/2017-18/BD/WORK_INDENT26875

Item No:	61	
Item Name:	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mmand down size graded granite metal coarse aggregates @0.47 cum with superplastisiser @3lts confirming toIS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thick ness) including attached plasters,columns,pillars,posts,struts.butters,string or lacing courses,parapets,coping,bed blocks,anchor blocks,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. Second Floor	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Premeasurement recorded on:			12/09/18		26/09/2018		25/10/2018		
Concrete M25									
On Teracce									
	Column Upto Roof	8	0.50	0.65	0.65	0.65	2.00	5.20	
	Lift Columns	4	0.20	0.40	0.40	0.40	2.00	0.64	
	Columns Upto Parapet Wall Height	12	0.50	0.65	0.65	0.65	1.00	3.90	
	Through out Lintel	2	13.99	0.20	0.20	0.20	0.30	1.68	
		4	4.65	0.20	0.20	0.20	0.30	1.12	
		2	3.63	0.20	0.20	0.20	0.30	0.44	
		2	4.68	0.20	0.20	0.20	0.30	0.56	
	Deductions								
	Columns	-8	0.50	0.20	0.20	0.20	0.30	-0.24	
		-4	0.20	0.20	0.20	0.20	0.30	-0.05	
							Total Quantity	**13.24**	**Cum**
							Quantity Limit To	**9.88**	**Cum**
							Qty carried to summary	**9.88**	**Cum**

Contractor Representative

Consultant Representative

Asst Engineer
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. D K Nagaraj

Tender Notification No. BBMP/2017-18/BD/WORK_INDENT26875

Item No:	62
Item Name:	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar,with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete for beams,staircase,and roof with M-25. Second Floor

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Premeasurement recorded on:			10/10/18		20/10/2018				
Concrete M25									
On Teracce									
	Beams	2	13.99	0.40	0.40	0.40	0.45	5.04	
	Beams	2	4.65	0.40	0.40	0.40	0.45	1.67	
	Staircase Room Beams	2	3.63	0.40	0.40	0.40	0.45	1.31	
		2	4.68	0.40	0.40	0.40	0.45	1.68	
	Roof Slab								
	Rooms	1	14.24	4.90	4.90	4.90	0.15	10.47	
	Projection	1	14.24	0.60	0.60	0.60	0.15	1.28	
	Staircase Room	1	3.75	4.88	4.88	4.88	0.15	2.75	
							Total Quantity	**24.20**	**Cum**
							Quantity Limit To	**24.01**	**Cum**
							Qty carried to summary	**24.01**	**Cum**

Contractor Representative

Consultant Representative

Asst Engineer
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. D K Nagaraj

Tender Notification No. BBMP/2017-18/BD/WORK_INDENT26875

Item No:	63
Item Name:	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Second floor

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Premeasurement recorded on:			11/09/18						
Centering for Columns									
On Teracce									
	Column Upto Roof	8	2.30				2.00	36.80	
	Lift Columns	4	1.20				2.00	9.60	
	Columns Upto Parapet Wall Height	12	2.30				1.00	27.60	
	Total Quantity							**74.00**	**Sqm**
	Quantity Limit To							**61.60**	**Sqm**
	Qty carried to summary							**61.60**	**Sqm**

Contractor Representative

Consultant Representative

Asst Engineer
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division

(4)

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. D K Nagaraj

Tender Notification No. BBMP/2017-18/BD/WORK_INDENT26875

Item No:	64
Item Name:	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness 200 mm including cost of all materials, labour complete as per specificaiton. Second floor

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Premeasurement recorded on:			17/09/2018						
Centering for Roof Slab									
On Teracce									
	Roof Slab								
	Rooms		1	14.24	4.90	4.90	4.90	69.78	
	Projection		1	14.24	0.60	0.60	0.60	8.54	
	Staircase Room		1	3.75	4.88	4.88	4.88	18.30	
							Total Quantity	**96.62**	**Sqm**
							Quantity Limit To	**91.48**	**Sqm**
							Qty carried to summary	**91.48**	**Sqm**

Contractor Representative

Consultant Representative

Asst Engineer
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. D K Nagaraj

Tender Notification No. BBMP/2017-18/BD/WORK_INDENT26875

Item No: 93

Item Name: Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid with a bed of 20mm thick 1:4 cm jointed with neat cement slurry mixed with pigments to match shade of granite slabs including laying POP on finished surface and cleaning the surface ,including cost of all materials, motor and labours etc., complete as per specifications. Ground Floor

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Premeasurement recorded on:			30/11/2018						
Ground Floor Flooring									
	Hall Area								
		1	13.85	12.23	12.23	12.23		169.39	
		1	15.70	8.95	8.95	8.95		140.52	
		1	4.83	4.82	4.82	4.82		23.28	
		2	2.50	3.00	3.00	3.00		15.00	
	Skirting								
		2	13.85				0.100	2.77	
		2	12.23				0.100	2.45	
		2	8.95				0.100	1.79	
		2	15.70				0.100	3.14	
		2	4.83				0.100	0.97	
		4	3.00				0.100	1.20	
		4	2.50				0.100	1.00	
	Deductions								
	Rolling	-1	3.60				0.100	-0.36	
		-1	3.40				0.100	-0.34	
	Door	-1	0.90				0.100	-0.09	
		-2	0.90				0.100	-0.18	
		-4	0.70				0.100	-0.28	
							Total Quantity	**360.24**	**Sqm**
							Quantity Limit To	**345.72**	**Sqm**
							Qty carried to summary	**345.72**	**Sqm**

Checked.

E.E. (Proj...)

Contractor Representative

Consultant Representative

Asst Engineer
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. D K Nagaraj

Tender Notification No. BBMP/2017-18/BD/WORK_INDENT26875

Item No:	94
Item Name:	Providing and laying granite flooring in combination of 19mm thick (Avg) gang saw cut LAKARD granite with 86% and with 14% of 19mm thick (Avg) Black granite in CM 1:4 proportion with a coat of rough plastering using CM1:4 cut to required shape,pattern with paper joints , finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant,grooves in joints including the cost of all materials and labours etc., complete as per specifications. - First FLoor

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Premeasurement recorded on:			30/11/2018						
First Floor Flooring									
	Hall Area	1	23.46	13.74	13.74	13.74		322.34	
	Stage	1	7.50	4.61	4.61	4.61		34.58	
		1	7.50				0.270	2.03	
	Steps	2	1.95	0.40	0.40	0.40		1.56	
		2	2.75				0.120	0.66	
	Ladies Room	1	2.95	3.02	3.02	3.02		8.91	
		1	8.86				0.100	0.89	
	Gents Room	1	2.95	3.02	3.02	3.02		8.91	
		1	8.86				0.100	0.89	
							Total Quantity	**380.75**	**Sqm**
							Quantity Limit To	**365.12**	**Sqm**
							Qty carried to summary	**365.12**	**Sqm**

Checked
30/11/18
E.E. (Project)

Contractor Representative

Consultant Representative

Asst Engineer
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. D K Nagaraj

Tender Notification No. BBMP/2017-18/BD/WORK_INDENT26875

Item No:	95	
Item Name:	Providing and laying granite flooring in combination of 19mm thick (Avg) gang saw cut LAKARD granite with 86% and with 14% of 19mm thick (Avg) Black granite in CM 1:4 proportion with a coat of rough plastering using CM1:4 cut to required shape,pattern with paper joints , finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant,grooves in joints including the cost of all materials and labours etc., complete as per specifications. Second FLoor	

SLNO	CHAINAGE / Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Premeasurement recorded on:				30/11/2018						
Second Floor Flooring										
	Room-1									
			1	4.50	4.40	4.40	4.40		19.80	
			1	17.80				0.100	1.78	
	Room-2									
			1	4.50	4.40	4.40	4.40		19.80	
			1	17.80				0.100	1.78	
	Room-3									
			1	4.60	4.40	4.40	4.40		20.24	
			1	18.00				0.100	1.80	
	Total Quantity								**65.20**	**Sqm**
	Quantity Limit To								**61.80**	**Sqm**
	Qty carried to summary								**61.80**	**Sqm**

Contractor Representative

Consultant Representative

Asst Engineer
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. D K Nagaraj

Tender Notification No. BBMP/2017-18/BD/WORK_INDENT26875

Item No:	96
Item Name:	Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick. Ground FLoor

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Premeasurement recorded on:			30/11/2018						
Ground Floor									
	Toilet								
			4	1.50	1.20	1.20	1.20	7.20	
			2	2.50	3.00	3.00	3.00	15.00	
							Total Quantity	**22.20**	**Sqm**
							Qty carried to summary	**22.20**	**Sqm**

Contractor Representative

Consultant Representative

Asst Engineer
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. D K Nagaraj

Tender Notification No. BBMP/2017-18/BD/WORK_INDENT26875

Item No:	97
Item Name:	Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick. First FLoor

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Premeasurement recorded on:			30/11/2018						
First Floor									
	Toilet	2	1.70	1.20	1.20	1.20		4.08	
							Total Quantity	**4.08**	**Sqm**
							Quantity Limit To	**3.60**	**Sqm**
							Qty carried to summary	**3.60**	**Sqm**

Contractor Representative

Consultant Representative

Asst Engineer
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division,

Name of the Work:Construction of Additional Floor over existing Samudhaya Bhavana Near Venugopal Swamy Temple in Ward No.02.

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. D K Nagaraj

Tender Notification No. BBMP/2017-18/BD/WORK_INDENT26875

Item No:	98									
Item Name:	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x60 cms 6mm thick with border of size 30 x 10 cms. Ground Floor									
SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Premeasurement recorded on:			30/11/2018							
Ground Floor										
	Toilet									
			4	5.40				2.100	45.36	
			1	5.00				2.100	10.50	
	Deductions for Door		-4	0.75				2.100	-6.30	
								Total Quantity	**49.56**	**Sqm**
								Qty carried to summary	**49.56**	**Sqm**

Contractor Representative

Consultant Representative

Asst Engineer
Yelahanka Project Division

Asst.Executive Engineer
Yelahanka Project Division